

## Product datasheet for **TP316727L**

### UBE3A (NM\_000462) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ubiquitin protein ligase E3A (UBE3A), transcript variant 2, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC216727 representing NM_000462 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MEKLNHCYWKSGEPQSDIEASRMKRAAAKHLIERYYHQLTEGCGNEACTNEFCASCPTFLRMDNNAAAI  
KALELYKINAKLCDPHPSKKGASSAYLENSKGAPNNSCSEIKMNNKKGARIDFKDVTYLTEEKVYEILELC  
REREDYSPLIRVIGRVFSSAEALVQSRKVKQHTKEELKSLQAKDEDEKDEDEKEKAACSAAMEEDSEAS  
SSRIGDSSQGDNNLQKLGPDVSDIDAIRRVYTRLLSNEKIETAFNLALVYLSNVECDLTYHNVSRLD  
PNYLNLFIVMENRNLHSPEYLEMALPLFCKAMSKLPLAAQGLRLWSKYNADQIRMMETFFQQLITYK  
VISNEFNSRNLVNDLDAIVAASKCLKMVYYANVVGGEVDTNHNEEDDEEPIPESELTLQELLGEERRNK  
KGPRVDPLETELGVKTLDCRKPLIPFEFFINEPLNEVLEMDKDYTFKVFETENKFSFMTCPFILNAVTKN  
LGLYYDNRIRMYSEIRITVLYSLVQGGQLNYPYLRKLVRRDHIIDALVRLEMIAMENPADLKKQLYVEFE  
GEQGVDEGGVSKEFFQLVVEEIFNPDIGMFTYDESTKLFWFNPSSFETEGQFTLIGIVLGLAIYNNCILD  
VHFPMVYRKLGMKGGTFRDLGDSHPVLYQSLKDLLEYEGNVEDDMMITFQISQTDLFGNPMYDLKENG  
DKIPITNENRKEFVNLVSDYILNKSVEKQFKAFRRGFHMVTNESPLKYLFRPEEIELLIGSRNLDFQAL  
EETTEYDGGYTRDSVLIREFWEIVHSFTDEQKRLFLQFTTGTDRAPVGGGLGKLMIIAKNGPDTERLPTS  
HTCFNVLLLPEYSSKEKLERLLKAITYAKGFGML

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

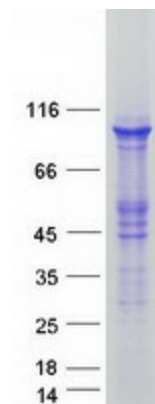
Tag:	C-Myc/DDK
Predicted MW:	100.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_000453</a>
<b>Locus ID:</b>	7337
<b>UniProt ID:</b>	<a href="#">Q05086</a>
<b>RefSeq Size:</b>	4516
<b>Cytogenetics:</b>	15q11.2
<b>RefSeq ORF:</b>	2625
<b>Synonyms:</b>	ANCR; AS; E6-AP; EPVE6AP; HPVE6A
<b>Summary:</b>	This gene encodes an E3 ubiquitin-protein ligase, part of the ubiquitin protein degradation system. This imprinted gene is maternally expressed in brain and biallelically expressed in other tissues. Maternally inherited deletion of this gene causes Angelman Syndrome, characterized by severe motor and intellectual retardation, ataxia, hypotonia, epilepsy, absence of speech, and characteristic facies. The protein also interacts with the E6 protein of human papillomavirus types 16 and 18, resulting in ubiquitination and proteolysis of tumor protein p53. Alternative splicing of this gene results in three transcript variants encoding three isoforms with different N-termini. Additional transcript variants have been described, but their full length nature has not been determined. [provided by RefSeq, Jul 2008]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Ubiquitin mediated proteolysis

### Product images:



Coomassie blue staining of purified UBE3A protein (Cat# [TP316727]). The protein was produced from HEK293T cells transfected with UBE3A cDNA clone (Cat# [RC216727]) using MegaTran 2.0 (Cat# [TT210002]).